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Pa: nt Abstracts of Japan

PUBLICATION NUMBER

07234988

PUBLICATION DATE

05-09-95

APPLICATION DATE

23-02-94

APPLICATION NUMBER

06025179

APPLICANT:

MITSUBISHI HEAVY IND LTD;

INVENTOR:

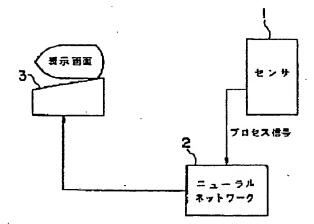
KAMINARI SHOICHIRO;

INT.CL.

G08B 31/00 G06G 7/60

TITLE

ABNORMALITY DIAGNOSTIC DEVICE



ABSTRACT :

PURPOSE: To provide an abnormality diagnostic device which can easily and accurately decide the abnormality of a plant based on the signal waveform without using any operator to decide the abnormality.

CONSTITUTION: A sensor 1 is provided on a plant to be diagnosed, and the process signal which is outputted from the sensor 1 to show the operating state of the plant is transmitted to a neural, network 2. A signal pattern of the abnormality mode is previously learnt and stored in the network 2. Thus the network 2 compares the pattern of the process signal received from the sensor 1 with the signal pattern of the abnormality mode stored previously when the plant is actually operated. Then the network 2 decides the plant abnormality based on the result of comparison and shows this fault on a display device 3.

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EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER

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APPLICATION NUMBER

06236260

APPLICANT:

TOSHIBA CORP;

INVENTOR:

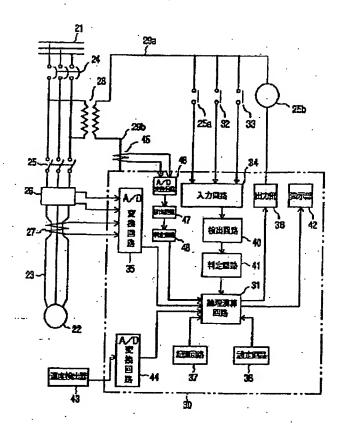
AKAHA TSUTOMU;

INT.CL.

H01H 47/00

TITLE

LOAD CONTROL APPARATUS



BSTRACT

PURPOSE: To predict the load of such as an electric motor, etc., and the maintenance timing of appliances such as electromagnetic contactors, etc., to presume the deterioration condition, and predict trouble occurrence in order to simplify maintenance work.

CONSTITUTION: First detection means 34, 40, 41 to detect the open or close state of an electromagnetic contactor 24, second detection means 46-48 to detect the alteration of load current as the lapse of time obtained from a current transformer 26, and third detection means 43, 44 to detect the temperature in a unit apparatus are installed in a load control apparatus. The load current value, the operating hours of the electromagnetic contactor, and the temperature of the unit apparatus from the first to the third detection means are taken in a theoretically computing circuit 31 of a control part 30 and predicted life of the electromagnetic contactor 24 is calculated based on, for example, Arrhenius's equation and the calculation result is sent out and displayed.

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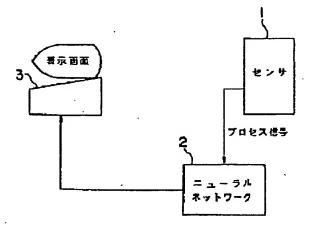
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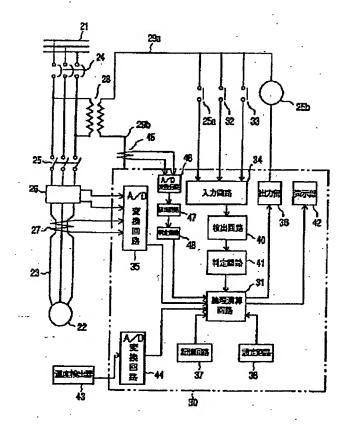
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